

PAT-NO: JP02000272040A
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TITLE: HIGH STRENGTH FIBER
REINFORCED COMPOSITE
MATERIAL AND PRODUCTION
THEREOF
PUBN-DATE: October 3, 2000

INVENTOR-INFORMATION:

NAME	COUNTRY
IGASHIRA, KENICHIRO	N/A
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ASSIGNEE-INFORMATION:

NAME	COUNTRY
KAWASAKI HEAVY IND LTD	N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To produce a fiber reinforced composite material excellent in

strength characteristics and thermal characteristics in low production cost.

SOLUTION: A ceramic precursor polymer is bonded to the surfaces of the fibers 10 of a fiber fabric comprising fibers or fiber bundles high in heat resistance and the fiber fabric to which the ceramic precursor polymer is bonded is heat-treated to grow ceramic whiskers 14 on the surfaces of the fiber bundles or fibers in the fiber fabric at random and, subsequently, a matrix 18 is formed to the interior and surface of the fiber fabric.

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